

WHAT IS CLAIMED IS:

1. An electroconductive grease-filled bearing, which is a rolling bearing comprising an inner race and an outer race, both of the races being coaxially provided, a plurality of rolling elements radially being retained between track surfaces of the races, the rolling bearing rotatably supporting a shaft fitted on the inner periphery of the inner race, an electroconductive grease, which comprises a fluorocarbon oil as a base oil and graphite as a thickening agent, being filled between the track surfaces.

2. An electroconductive grease-filled bearing according to Claim 1, wherein the fluorocarbon oil as a base oil has a kinematic viscosity of 5 - 1,500 mm²/sec (40°C).

3. An electroconductive grease-filled bearing according to Claim 1, wherein the fluorocarbon oil as a base oil has a kinematic viscosity of 250-1,000 mm²/sec (40°C).

4. An electroconductive grease-filled bearing according to Claim 1, wherein the graphite is an earthy graphite.

5. An electroconductive grease-filled bearing according to Claim 1, 2, 3 or 4, wherein the electroconductive grease comprises 50 - 90% by weight of the fluorocarbon oil and 50 - 10% by weight of the thickening agent, sum total being 100% by weight.

6. An electroconductive grease-filled bearing according to Claim 1, 2, 3 or 4, wherein polytetrafluoroethylene is used together as a thickening agent.

7. An electroconductive grease-filled bearing according to Claim 6, wherein the electroconductive grease comprises 50 - 80% by weight of the fluorocarbon oil, 15 - 30% by weight of the graphite and not more than 30% by weight of the polytetrafluoroethylene, sum total being 100% by weight.

8. An electroconductive grease-filled bearing according to Claim 6, wherein the electroconductive grease comprises 50 - 80% by weight of the fluorocarbon oil, 15-30% by weight of the graphite and 5 - 25% by weight of the polytetrafluoroethylene, sum total being 100% by weight.

9. An electroconductive grease-filled bearing according to Claim 6, wherein the polytetrafluoroethylene has an average primary particle size of 0.2 - 15 μ m.

10. An electroconductive grease-filled bearing according to Claim 7, wherein the polytetrafluoroethylene has an average primary particle size of 0.2 - 15 μ m.

11. An electroconductive grease-filled bearing according to Claim 8, wherein the polytetrafluoroethylene has an average primary particle size of 0.2 - 15 μ m.

12. An electroconductive grease-filled bearing according to Claim 1, for use in rotatably supporting a rotating roll provided in electrophotographic process machinery.

13. An electroconductive grease-filled bearing according to Claim 12, wherein the rotating roll is a photosensitive drum or a heating roll or a pressing-heating roll provided in a fixing section.